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- (71) Applicant (for all designated States except US): MYMET-ICS CORPORATION [US/US]; 230 Park Avenue, New York, NY 10169 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): FLEURY, Sylvain [CA/CH]; Chemin de Verdonnet, 9, CH-1010 Lausanne (CH). GIRARD, Marc [FR/FR]; 39, rue Saignemartin, F-69008 Lyon (FR). ROGER, Marie-Gaëlle [FR/FR]; 5, rue de New York, F-38000 Grenoble (FR). MOUZ, Nicolas [FR/FR]; 16, rue Helbronner, F-38000 Grenoble (FR). SERRES, Pierre-François [FR/FR]; 4, rue du Docteur Reur, F-69350 Saint-Genis Laval (FR).
- (74) Agents: LE COUPANEC, Pascale et al.; Nony & Associes, 3 rue de Penthièvre, F-75008 Paris (FR).

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(54) Title: NEW SOLUBLE AND STABILIZED TRIMERIC FORM OF GP41 POLYPEPTIDES

(57) Abstract: The present invention concerns a modified polypeptide containing at least an immunodominant region and the connecting loop between N- and C-helices of gp41 ectodomain of HIV-1, wherein the connecting loop includes at least a linker fragment having: - a size convenient for keeping the native conformation of the interaction between N- and C-helices, and - an hydrophily sufficient to provide a soluble and stable trimeric form to said modified polypeptide.